ABSTRACT OF THE DISCLOSURE

A method of managing an OFDM transmission system, for instance a millimetre-wave WLAN, wherein a plurality of sets of samples including at least one set $(X_1, X_2, \ldots X_N)$ of generally non-zero samples is subject to an integral transform transmitted in the integral-transformed format and subject to a complementary integral transform to reconstruct the at least one set of generally non-zero samples. The method includes the step of assigning non-overlapping sets of samples to a plurality of terminals.